

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/445,517  
Source: IFW16  
Date Processed by STIC: 4/27/05

***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 04/27/2005

PATENT APPLICATION: US/09/445,517

TIME: 12:54:22

Input Set : A:\18528230 seq.txt

Output Set: N:\CRF4\04272005\I445517.raw

3 <110> APPLICANT: DUFT, BRADFORD J.  
 4 KOLTERMAN, ORVILLE G.  
 6 <120> TITLE OF INVENTION: METHODS FOR TREATING OBESITY  
 8 <130> FILE REFERENCE: 18528.230  
 10 <140> CURRENT APPLICATION NUMBER: 09/445,517  
 11 <141> CURRENT FILING DATE: 1999-12-06  
 13 <150> PRIOR APPLICATION NUMBER: 08/870,762  
 14 <151> PRIOR FILING DATE: 1997-06-06  
 16 <160> NUMBER OF SEQ ID NOS: 20  
 18 <170> SOFTWARE: PatentIn Ver. 3.3  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 37  
 22 <212> TYPE: PRT  
 23 <213> ORGANISM: Artificial Sequence  
 25 <220> FEATURE:  
 26 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 27 peptide construct  
 29 <400> SEQUENCE: 1  
 30 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
 31 1 5 10 15  
 33 Val His Ser Ser Asn Asn Phe Gly Pro Val Leu Pro Pro Thr Asn Val  
 34 20 25 30  
 36 Gly Ser Asn Thr Tyr  
 37 35  
 40 <210> SEQ ID NO: 2  
 41 <211> LENGTH: 37  
 42 <212> TYPE: PRT  
 43 <213> ORGANISM: Artificial Sequence  
 45 <220> FEATURE:  
 46 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 47 peptide construct  
 49 <220> FEATURE:  
 50 <223> OTHER INFORMATION: 2,7-Cyclo bridge  
 52 <400> SEQUENCE: 2  
 53 Lys Asp Asn Thr Ala Thr Lys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
 54 1 5 10 15  
 56 Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Pro Ser Thr Asn Val  
 57 20 25 30  
 59 Gly Ser Asn Thr Tyr  
 60 35  
 63 <210> SEQ ID NO: 3  
 64 <211> LENGTH: 36  
 65 <212> TYPE: PRT

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66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
70     peptide construct
72 <400> SEQUENCE: 3
73 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
74   1           5           10           15
76 His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val Gly
77           20           25           30
79 Ser Asn Thr Tyr
80           35
83 <210> SEQ ID NO: 4
84 <211> LENGTH: 37
85 <212> TYPE: PRT
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
90     peptide construct
92 <400> SEQUENCE: 4
93 Ala Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
94   1           5           10           15
96 Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
97           20           25           30
99 Gly Ser Asn Thr Tyr
100          35
103 <210> SEQ ID NO: 5
104 <211> LENGTH: 37
105 <212> TYPE: PRT
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
110     peptide construct
112 <400> SEQUENCE: 5
113 Ser Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
114   1           5           10           15
116 Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
117           20           25           30
119 Gly Ser Asn Thr Tyr
120          35
123 <210> SEQ ID NO: 6
124 <211> LENGTH: 37
125 <212> TYPE: PRT
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
130     peptide construct
132 <400> SEQUENCE: 6
133 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
134   1           5           10           15

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136 Val His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val
137           20                      25                      30
139 Gly Ser Asn Thr Tyr
140           35
143 <210> SEQ ID NO: 7
144 <211> LENGTH: 36
145 <212> TYPE: PRT
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
150     peptide construct
152 <400> SEQUENCE: 7
153 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
154   1           5                      10                      15
156 His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val Gly
157           20                      25                      30
159 Ser Asn Thr Tyr
160           35
163 <210> SEQ ID NO: 8
164 <211> LENGTH: 37
165 <212> TYPE: PRT
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
170     peptide construct
172 <400> SEQUENCE: 8
173 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
174   1           5                      10                      15
176 Val Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val
177           20                      25                      30
179 Gly Ser Asn Thr Tyr
180           35
183 <210> SEQ ID NO: 9
184 <211> LENGTH: 36
185 <212> TYPE: PRT
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
190     peptide construct
192 <400> SEQUENCE: 9
193 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
194   1           5                      10                      15
196 Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val Gly
197           20                      25                      30
199 Ser Asn Thr Tyr
200           35
203 <210> SEQ ID NO: 10
204 <211> LENGTH: 37
205 <212> TYPE: PRT

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206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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213 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
214   1           5           10           15
216 Val Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val
217           20           25           30
219 Gly Ser Asn Thr Tyr
220           35
223 <210> SEQ ID NO: 11
224 <211> LENGTH: 36
225 <212> TYPE: PRT
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
230     peptide construct
232 <400> SEQUENCE: 11
233 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
234   1           5           10           15
236 Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val Gly
237           20           25           30
239 Ser Asn Thr Tyr
240           35
243 <210> SEQ ID NO: 12
244 <211> LENGTH: 37
245 <212> TYPE: PRT
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
250     peptide construct
252 <400> SEQUENCE: 12
253 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
254   1           5           10           15
256 Val His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val
257           20           25           30
259 Gly Ser Asn Thr Tyr
260           35
263 <210> SEQ ID NO: 13
264 <211> LENGTH: 36
265 <212> TYPE: PRT
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
270     peptide construct
272 <400> SEQUENCE: 13
273 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
274   1           5           10           15

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Input Set : A:\18528230 seq.txt

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276 His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val Gly  
 277                   20                   25                   30  
 279 Ser Asn Thr Tyr  
 280                   35  
 283 <210> SEQ ID NO: 14  
 284 <211> LENGTH: 37  
 285 <212> TYPE: PRT  
 286 <213> ORGANISM: Artificial Sequence  
 288 <220> FEATURE:  
 289 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 290       peptide construct  
 292 <220> FEATURE:  
 293 <221> NAME/KEY: MOD\_RES  
 294 <222> LOCATION: (1)  
 295 <223> OTHER INFORMATION: Lys, Ala, Ser, or not present  
 297 <220> FEATURE:  
 298 <221> NAME/KEY: MOD\_RES  
 299 <222> LOCATION: (2)  
 300 <223> OTHER INFORMATION: Variable amino acid  
 302 <220> FEATURE:  
 303 <221> NAME/KEY: MOD\_RES  
 304 <222> LOCATION: (7)  
 305 <223> OTHER INFORMATION: Variable amino acid  
 307 <220> FEATURE:  
 308 <221> NAME/KEY: MOD\_RES  
 309 <222> LOCATION: (13)  
 310 <223> OTHER INFORMATION: Ala, Ser, or Thr  
 312 <220> FEATURE:  
 313 <221> NAME/KEY: MOD\_RES  
 314 <222> LOCATION: (17)  
 315 <223> OTHER INFORMATION: Val, Leu, or Ile  
 317 <220> FEATURE:  
 318 <221> NAME/KEY: MOD\_RES  
 319 <222> LOCATION: (18)  
 320 <223> OTHER INFORMATION: His or Arg  
 322 <220> FEATURE:  
 323 <221> NAME/KEY: MOD\_RES  
 324 <222> LOCATION: (19)  
 325 <223> OTHER INFORMATION: Ser or Thr  
 327 <220> FEATURE:  
 328 <221> NAME/KEY: MOD\_RES  
 329 <222> LOCATION: (20)  
 330 <223> OTHER INFORMATION: Ser, Thr, Gln, or Asn  
 332 <220> FEATURE:  
 333 <221> NAME/KEY: MOD\_RES  
 334 <222> LOCATION: (21)  
 335 <223> OTHER INFORMATION: Asn, Gln, or His  
 337 <220> FEATURE:  
 338 <221> NAME/KEY: MOD\_RES

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/445,517

DATE: 04/27/2005  
TIME: 12:54:23

Input Set : A:\18528230 seq.txt  
Output Set: N:\CRF4\04272005\I445517.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:14; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,26,29,31  
Seq#:15; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,26,28,31  
Seq#:16; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,25,26,31  
Seq#:17; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,26,31

## VERIFICATION SUMMARY

DATE: 04/27/2005

PATENT APPLICATION: US/09/445,517

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Input Set : A:\18528230 seq.txt

Output Set: N:\CRF4\04272005\I445517.raw

L:367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
M:341 Repeated in SeqNo=14  
L:461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
M:341 Repeated in SeqNo=15  
L:555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
M:341 Repeated in SeqNo=16  
L:644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
M:341 Repeated in SeqNo=17